

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF:

STEPHEN M. ALLEN ET. AL.

CASE NO.: BB1157USCNT

APPLICATION NO.: 10/659,199

CONFIRMATION NO.:

GROUP ART UNIT: 1638

EXAMINER: UNKNOWN

FILED: SEPTEMBER 10, 2003

FOR: CARBOHYDRATE BIOSYNTHETIC ENZYMES

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with 37 CFR 1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office before an Office Action on the merits the information listed on the enclosed PTO/SB/08 and PTO-892 Forms.

Benefit of the earlier filing date of U.S. Patent Application No. 09/796,766, filed March 1, 2001 is claimed under 35 U.S.C. 120 for the above-referenced application and only copies of information not previously made of record in the parent are enclosed.

Should any fee be required in connection with the filing of this Information Disclosure Statement, please charge such fee to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company).

Respectfully submitted,

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Dated: 4 March 2004

Enclosures

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PTO/SB/08B(08-00)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

Complete if Known

Application Number	09/796,766
Filing Date	March 1, 2001
First Named Inventor	Stephen M. Allen et al.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	BB1157 US CIP

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	IKUO KURIBAYASHI ET AL., Biosci. Biotech. Biochem., vol. 56(3):388-393, 1992, Characterization and Solubilization of beta-Glucan Synthases from Cultured Rice Cells	
	2	KANWARPAL, S. DHUGGA ET AL., Plant Phys., vol. 102(1) suppl:45, 1993, Molecular Characterization of beta-1, 3- glucan Synthase from Pea Tissue	
	3	KANWARPAL, S. DHUGGA ET AL., Plant Phys., vol. 105(1):132, 1994, Molecular Cloning of the Putative Glucan Synthase-II Genes	
	4	KANWARPAL, S. DHUGGA ET AL., Plant Phys., vol. 108(2): suppl:51, 1995, Plant Cell Wall Synthesis: Molecular Cloning of Putative beta-glucan Synthetase Genes from Pea	
	5	ROSEMARIE KELLY ET AL., Journ. of Bacteriology, vol. 178(15):4381-4391, Isolation of a Gene Involved in 1,3- beta-glucan Synthesis in Aspergillus nidulans and Purification of the Corresponding Protein	
	6	TOSHIYUKI MIO ET AL., Journ. of Bacteriology, vol. 179(13):4096-4105, 1997, Cloning of the Candida albicans Homolog of Saccharomyces cerevisiae GSC1/FKS1 and Its Involvement in beta-1,3-Glucan Synthesis	
	7	HEPING CAO ET AL., Physiologia Plantarum, vol. 100(2):400-406, 1997, BT1, a possible adenylate translocator, is developmentally expressed in maize endosperm but not detected in starchy tissues from several other species	
	8	DATABASE EMBL SEQUENCE LIBRARY ACCESSION NO: AF085717, 04-26-1999, CUI, X. ET AL., Cotton CFL1 gene shows homology to the yeast beta-1,3-glycan synthase subunit FKS1	
	9	DATABASE EMBL SEQUENCE LIBRARY ACCESSION NO: AC005106, 06-18-1998, SHINN, P. ET AL., Genomic sequence for Arabidopsis thaliana BAC T25N20	
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 231654, 11/1/1997, SULLIVAN, T.D. ET AL., Analysis of Maize Brittle-1 Alleles and a Defective Suppressor-mutator-Induced Mutable Allele	
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 4138581, 1/7/1999, RINK, U.A. ET AL.	

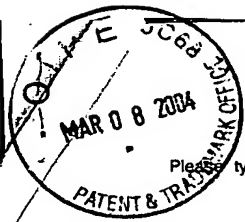
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		First Named Inventor	Stephen M. Allen et al.
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Sheet	2	of	2

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 7484793, 7/23/1999, BEVAN, M. ET AL.	
	2	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 4049342, 8/6/1999, BEVAN, M. ET AL.	
	3	JACK C. SHANNON ET AL., Plant Phys., vol. 117:1235-1252, 1998, Brittle-1, an Adenylate Translocator, Facilitates Transfer of Extraplasmidial Synthesized ADP-Glucose into Amyloplasts of Maize Endosperms	
	4	THOMAS D. SULLIVAN ET AL., Plant Cell, vol. 3:1337-1348, 1991, Analysis of Maize Brittle-1 Alleles and a Defective Suppressor-Mutator-Induced Mutable Allele	
	5	THOMAS D. SULLIVAN ET AL., Planta, vol. 196:477-484, 1995, The maize brittle1 gene encodes amyloplast membrane polypeptides	
	6	ROLAND S. BEFFA ET AL., Plant Cell, vol. 8:1001-1011, 1996, Decreased Susceptibility to Viral Disease of beta-1,3-Glucanase-Deficient Plants Generated by Antisense Transformation	
	7	C. E. FASTNAUGHT ET AL., Crop Sci., vol. 36:941-946, 1996, Genetic and Environmental Variation in beta-Glucan Content and Quality Parameters of Barley for Food	
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Examiner Signature		Date Considered	
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Sheet	1	of	1
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Attorney Docket Number	BB1157 US CIP

U.S. PATENT DOCUMENTS

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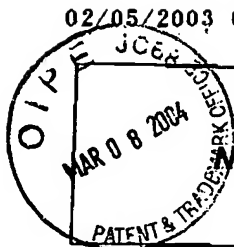
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**Notice of References Cited**

Application/Control No.

09/796,766

Applicant(s)/Patent Under

Reexamination

ALLEN ET AL.

Examiner

Anne Kublik

Art Unit

1638

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U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
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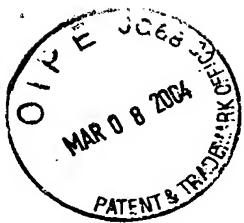
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NON-PATENT DOCUMENTS

Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)

*		
	U	HILL et al. Functional Analysis of Conserved Histidines in ADP-Glucose Pyrophosphorylase from Escherichia coli. BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS. 1998, 244, 573-577, Article No. RC988301
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